

Ministry of
Colleges and
Universities

Apprenticeship
Training

Construction Millwright

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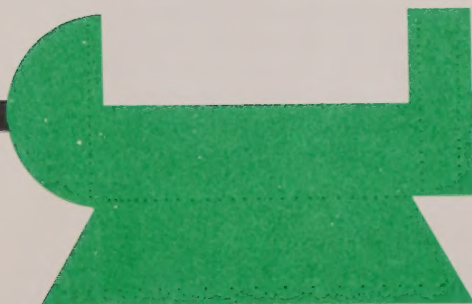
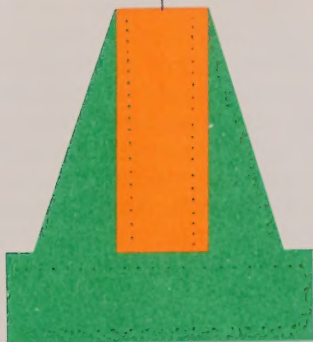
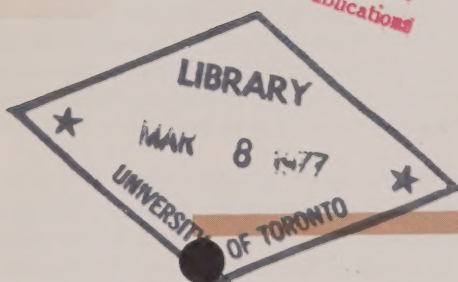
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Millwrighting came to North American with the construction of the first sawmills and grist mills. As technology advanced, the trade gradually incorporated such innovations as the steam engine, pumps, iron and steel shafting, gears and wheels and, finally, the electric motor. This sophistication and versatility has made millwrighting a composite of several other trades. Consequently, today's well-trained millwright is an important economic adjunct to both the construction and general industry.

For those men and women interested in a challenging vocation, the Industrial Training Branch of the Ministry of Colleges and Universities is sponsoring an apprenticeship program geared to the contemporary demands of the vital trade of millwright.

Qualifications

Applicants for apprenticeship must be 16 years of age or over with a minimum of Grade 10 standing in Ontario or an equivalent level of education.

There are no maximum age limits for apprentices but good physical condition is desirable. An interest in mathematics, blueprint reading and the workings of all types of machinery is particularly valuable for an apprentice in this trade.

Duties

The experienced construction millwright must be proficient in a wide range of duties: job lay-out, levelling and anchorage, the operation of hand tools and portable power tools, installation of diverse machinery and the inspection and start-up of machines or hydraulic, pneumatic and lubrication systems.

Training

The apprenticeship training program for the construction millwright covers four periods of 2,000 hours each (equivalent to approximately 3½ years). Each period comprises on-the-job training coupled with related instruction at a College of Applied Arts and Technology.

The related courses of instruction are compulsory and include an eight-week basic course, an intermediate course and an advanced course toward the end of the apprenticeship contract.

Training Allowances

When apprentices attend courses, their tuition fees, living allowances and travel expenses are

paid by the Federal Department of Manpower and Immigration and the Ontario Ministry of Colleges and Universities under a shared-cost agreement.

Earning While Learning

While training on the job, apprentices earn while they learn. Their wages are based on a percentage of those paid a journeyman/woman in the same trade in the same shop. An apprentice in this trade receives 60 per cent of the prevailing rate for journeymen/women in the area during the first period of apprenticeship. This rate increases to 70 per cent, 80 per cent and 90 per cent in each of the succeeding periods. At the conclusion of each 2,000-hour period, apprentices must obtain the recommendation of their employer before proceeding to the next period of the contract.

Certificates of Apprenticeship

Upon completion of the four periods, apprentices must write a final examination. A passing mark of 60 per cent will entitle them to a Certificate of Apprenticeship. The Certificate of Qualification is issued by the Ministry of Colleges and Universities for this trade with the payment of a \$10.00 fee. This Certificate need not be renewed.

Employment Prospects

A continued rapid increase in the employment of construction millwrights is expected. In addition to openings resulting from the growth of the trade, replacement needs will open hundreds of other job opportunities to new workers each year in industrial and commercial construction.

Once the apprentice has attained the status of journeyman/woman individual abilities usually determine the rate of advancement to an administrative position or the ownership of a business.

Enquiries

All enquiries concerning apprenticeship should be addressed to the nearest district office listed on the back of this leaflet, or to the

Director,
Ontario Industrial Training Branch,
Ministry of Colleges and Universities,
Mowat Block, 900 Bay Street,
Toronto, Ontario, M7A 2B5.

District Offices
Industrial Training Branch

Barrie 728-1951
Belleville 968-8671
Brantford 756-5197
Brockville 342-9447
Chatham 352-2800
Cornwall 933-6080
Guelph 821-3770
Hamilton 527-9105
Hawkesbury 632-2759
Kenora 468-3128
Kingston 544-5400
Kitchener-Waterloo 884-5460
London 453-7190
North Bay 474-5509
Oshawa 576-0171
Ottawa 731-7100
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Peterborough 743-4172
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Ministry of
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Industrial
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Hon. Harry C. Parrott, DDS, Minister
Dr. J. Gordon Parr, Deputy Minister